| Index of Claims |  |
|-----------------|--|
|                 |  |

| Application No. | Applicant(s)   |
|-----------------|----------------|
| 10/624,310      | HOOSE, KARL V. |
| Examiner        | Art Unit       |
| Thai-Ba Trieu   | 3748           |

| 7 | Rejected |  |
|---|----------|--|
| = | Allowed  |  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |                            | _  |          |  |  |              |          |              |              |          |
|----------|----------------------------|--|----------|--|--|--------------|----------|--------------|--------------|----------|
| Cla      | <u> </u>                   |  | _        | (  | Date   | 9            |          |              |              |          |
| Final    | Original                   | 7/1/04   | 1/10/05  |  |  |              |          |              |              |          |
| 27       | 1                          | =  | =        |  |  |              |          |              |              |          |
| 1        | 1<br>2<br>3<br>4           | √<br>√   | =        |  |  |              |          |              |              |          |
|          | 3                          | √  | 1        |  |  |              |          |              |              |          |
| 2        | 4                          | 0  | II       |  |  |              |          |              |              |          |
| 3        | 5                          | 0  | =        |  |  |              |          |              |              |          |
| 4        | 6                          | 0  | =        | L  | L  | _            | L        |              | L            | Щ        |
| 5        | 7                          | 0  | =        | L  | ļ  | $oxed{oxed}$ |          | L            | L            | Щ        |
| 6        | 8                          | 0  | ᆖ        |  | _  | _            | _        | lacksquare   | L            | ш        |
|          | 9                          | 0  | Ŀ        | _  | <u> </u>   | <u> </u>     | <u> </u> | L.           | <u> </u>     |          |
| 7        | 10                         | 0  | =        |  | <u> </u>   | _            |          |              | <u> </u>     | Ш        |
| 9        | 11                         | 0  | =        | $\vdash$   | <del> </del>                                     | ├-           | $\vdash$ | ⊢            | <u> </u>     | Н        |
| 10<br>11 | 12                         | 0  | =        | -  |  | -            | $\vdash$ | <u> </u>     | $\vdash$     | Н        |
| 18       | 12<br>13<br>14<br>15<br>16 |  | ├─       | -  | ⊢  | <del> </del> | $\vdash$ | <del> </del> | <del> </del> | $\vdash$ |
| 19       | 15                         | √<br>./  | =        | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$     | Н        |
| 20       | 16                         | √<br>√   | =        |  | -  | $\vdash$     | -        | -            | -            | $\vdash$ |
| 21       | 17                         | V  | ╘        | <del> </del>                                     | ⊢  | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$     | Н        |
| 22       | 17<br>18                   | ¥  | =        | $\vdash$   | <del>                                     </del> | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$     | H        |
| 23       | 19                         | Ĭ  | =        | -  |  | ┢            | -        | $\vdash$     | $\vdash$     | H        |
| 24       | 20                         | V  | =        | -  | -  | $\vdash$     | -        | -            | $\vdash$     |          |
| 13       | 21                         | ŏ  | ╘        | _  |  | ┢            | -        | ┢─           | _            | -        |
| 14       | 22                         | V  | =        | <del>                                     </del> | _  |              | ┢        | ┢            | ┢            | $\vdash$ |
| 15       | 23                         | Ì  | =        | _  | $\vdash$   |              | _        |              |              |          |
| 8        | 23<br>24                   | Ò  | Ξ        |  |  |              |          |              |              |          |
| 16       | 25                         | 0  | =        |  |  |              |          |              |              |          |
| 25<br>17 | 26<br>27                   | 0  | =        |  |  |              |          |              |              |          |
| 17       | 27                         | 0  | =        |  |  |              |          |              |              |          |
| 26       | 28                         | ✓  | =        |  |  |              |          |              |              |          |
| 12       | 29                         |  | Ξ        |  |  |              |          |              |              |          |
|          | 30                         |  |          |  |  |              | L        | L            |              |          |
|          | 31                         |  | _        | <u> </u>   |  | $oxed{oxed}$ | <u> </u> |              | _            | Ш        |
|          | 32                         | <u>_</u>   | <u> </u> | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u> | _            | <u> </u>     | Щ        |
|          | 33                         |  | _        | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | <u> </u>     | <u> </u> | <u> </u>     | ldash        | $\vdash$ |
|          | 34                         | <u> </u>   | <u> </u> | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>     | <u> </u>     | $\vdash$ |
|          | 35                         | ⊢  | _        | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u> | $\vdash$     | <u> </u>     | <u> </u> |
|          | 36                         | <b> </b>   | <u> </u> | ļ  | -  | ├-           | <u> </u> |              | _            | $\vdash$ |
|          | 37                         | _  | $\vdash$ | $\vdash$   | <u> </u>   | $\vdash$     | $\vdash$ | <u> </u>     |              | $\vdash$ |
|          | 38                         | $\vdash$   | <u> </u> | -  | ⊢  | ⊢            | $\vdash$ | _            | ├-           | Н        |
|          | 39<br>40                   | $\vdash$   | -        | -  | ├  | <del> </del> |          | <u> </u>     | -            | $\vdash$ |
|          | 41                         | -  | $\vdash$ | ⊢  | $\vdash$   | $\vdash$     | $\vdash$ | ⊢            | $\vdash$     | Н        |
|          | 42                         | $\vdash$   |          | -  | $\vdash$   | $\vdash$     |          | <del> </del> | -            | Н        |
|          | 43                         | <del>                                     </del> | $\vdash$ | $\vdash$   | ┢╌   | $\vdash$     | ┝        | <del> </del> |              | Н        |
|          | 44                         | $\vdash$   | $\vdash$ | $\vdash$   |  | $\vdash$     |          | $\vdash$     | -            | Н        |
|          | 45                         | -  | $\vdash$ | ┢  | $\vdash$   | $\vdash$     | $\vdash$ |              | $\vdash$     | Н        |
|          | 46                         | $\vdash$   | -        | $\vdash$   | $\vdash$   | $\vdash$     | Н        | Н            | $\vdash$     | Н        |
|          | 47                         | <del>                                     </del> |          | $\vdash$   | $\vdash$   | $\vdash$     |          | $\vdash$     | $\vdash$     | Н        |
|          | 48                         |  | $\vdash$ | Г  | $\vdash$   |              |          |              | $\vdash$     | П        |
|          | 49                         | $\vdash$   | <u> </u> | Γ.   |  |              |          |              | _            | П        |
|          | 50                         | $\vdash$   |          | -  | $\vdash$   | $\vdash$     | $\vdash$ | 1            |              | М        |

| Cla      | im             |               |                    |          |                                     | Date     | •        |          |          |          |
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|          |                |               |                    |          |                                     |          |          |          |          |          |
| ਭ        | Original       |               |                    |          |                                     |          |          |          |          |          |
| Final    | rig            |               |                    |          |                                     |          |          |          |          |          |
| -        | 0              |               |                    |          |                                     |          |          |          |          |          |
|          | 51             |               | _                  |          |                                     |          | _        | _        | $\vdash$ | _        |
|          | 52             |               | $\vdash$           | $\vdash$ |                                     | _        | $\vdash$ | _        | _        | _        |
| 1        | 52<br>53       |               | _                  | ┝        | -                                   | _        | $\vdash$ | -        | _        | -        |
| $\vdash$ | 54             | _             | -                  | $\vdash$ | $\vdash$                            | -        |          | _        | _        |          |
|          | 55             | _             | _                  | ┝        | $\vdash$                            | _        | _        | _        | $\vdash$ | $\vdash$ |
| -        | 56             |               | _                  | ┝        |                                     | -        | _        |          | _        | $\vdash$ |
| -        | 50             |               |                    | H        | $\vdash$                            | -        |          |          | -        | $\vdash$ |
| <u> </u> | 57             |               |                    | ⊢        | <u> </u>                            | -        | _        | _        | $\vdash$ | $\vdash$ |
|          | 58<br>59       |               | _                  | <u> </u> | L                                   |          |          |          |          | $\vdash$ |
|          | 59             |               | _                  | <u> </u> | $\vdash$                            |          |          |          | _        | _        |
|          | 60             | _             |                    | <u> </u> | <u> </u>                            |          |          | _        |          | Ш        |
| $\vdash$ | 61<br>62       |               | _                  | <u> </u> |                                     | Ш        | _        | $\vdash$ | $\vdash$ | <u> </u> |
|          | 62             |               |                    | <u> </u> |                                     |          |          |          | _        | _        |
|          | 63             |               |                    | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          |          | Ш        |          | L.       |
|          | 64<br>65       |               | _                  | <u> </u> | $oxed{oxed}$                        | <u> </u> |          |          |          | _        |
|          | 65             |               |                    | <u>L</u> |                                     |          |          |          |          |          |
|          | 66             |               | $oxedsymbol{oxed}$ | L        |                                     | L        |          |          | _        |          |
|          | 67             |               |                    |          |                                     |          |          |          |          |          |
|          | 68             |               |                    |          |                                     |          |          |          |          |          |
|          | 69             |               |                    |          |                                     |          |          |          |          |          |
|          | 69<br>70<br>71 |               |                    |          |                                     |          |          |          |          |          |
|          | 71             |               |                    |          |                                     |          |          |          |          |          |
|          | 72<br>73<br>74 |               |                    | Г        |                                     |          |          |          |          |          |
|          | 73             |               | Г                  |          |                                     |          |          |          |          |          |
|          | 74             |               |                    |          |                                     |          |          |          |          |          |
|          | 75<br>76<br>77 |               |                    |          |                                     |          |          |          |          |          |
|          | 76             |               |                    |          |                                     |          | Γ.       |          |          |          |
|          | 77             |               |                    |          | Г                                   |          |          |          |          |          |
|          | 78<br>79       |               |                    |          |                                     |          |          |          |          |          |
|          | 79             |               |                    |          | П                                   |          |          |          |          |          |
|          | 80             |               |                    | Г        |                                     |          |          |          |          |          |
|          | 81             |               |                    | Г        |                                     | П        |          |          |          |          |
|          | 82             |               |                    | Г        |                                     |          |          |          |          |          |
|          | 83             |               |                    | <u> </u> | Г                                   |          | П        | Г        |          |          |
|          | 84             |               | Г                  |          |                                     |          |          |          |          |          |
|          | 85             |               |                    | Г        |                                     |          |          |          |          | Г        |
|          | 86             |               |                    | Γ        |                                     |          |          |          | Г        |          |
|          | 86<br>87       |               | Т                  |          |                                     |          |          |          |          |          |
|          | 88             | П             |                    | Г        | Г                                   | Т        |          |          |          | <u> </u> |
|          | 89             |               |                    | Г        |                                     |          |          |          |          | Г        |
|          | 90             |               |                    | Г        |                                     |          |          |          |          | Г        |
|          | 91             |               | _                  |          | П                                   |          | $\vdash$ |          |          |          |
|          | 92             | $\overline{}$ | _                  |          |                                     | <u> </u> |          |          | <b>—</b> |          |
|          | 93             |               |                    |          | П                                   |          |          |          |          |          |
|          | 94             |               |                    |          |                                     |          |          |          |          |          |
|          | 95             |               |                    |          |                                     |          |          |          |          |          |
|          | 96             |               | $\vdash$           |          | Г                                   | Ι        |          | $\vdash$ | $\vdash$ | $\vdash$ |
|          | 97             |               |                    |          |                                     |          | Г        | $\vdash$ |          |          |
|          | 98             |               |                    | Г        |                                     | $\vdash$ | $\vdash$ |          |          |          |
|          | 99             |               | $\vdash$           |          |                                     |          | _        | _        | $\vdash$ | Ι        |
|          | 100            |               |                    |          |                                     | _        | Т        |          | Г        | Г        |
|          |                |               |                    |          |                                     |          | _        |          |          |          |

| Cli          | aim               |              |                    |          |          | Date     | <del></del> |          | -                                   |          |
|--------------|-------------------|--------------|--------------------|----------|----------|----------|-------------|----------|-------------------------------------|----------|
|              |                   |              |                    |          |          |          |             |          |                                     |          |
| Final        | Original          |              |                    |          |          |          |             |          |                                     |          |
|              | 101               |              |                    |          |          |          |             |          |                                     |          |
|              | 102<br>103        |              |                    |          |          |          |             |          |                                     | Ш        |
|              | 103               | _            |                    |          |          |          |             |          |                                     |          |
|              | 104               | _            | _                  |          |          |          | <u> </u>    | _        | _                                   |          |
| _            | 105               |              | -                  |          | _        |          | _           |          |                                     | Н        |
|              | 106<br>107        | <u> </u>     | -                  | _        | -        | _        | H           |          | _                                   | Н        |
|              | 108               | -            | -                  |          | -        |          | $\vdash$    |          | H                                   | Н        |
|              | 109               | _            | -                  | -        |          | -        | -           | -        | $\vdash$                            | Н        |
| _            | 110               | _            | -                  |          |          | -        |             |          |                                     |          |
|              | 111               |              |                    |          |          |          |             |          |                                     |          |
|              | 112               |              |                    |          |          |          |             |          |                                     |          |
|              | 113               |              |                    |          |          |          |             |          |                                     |          |
|              | 114               |              |                    |          |          |          |             |          | L                                   | Ш        |
| ļ            | 115               |              | _                  |          |          |          | <u> </u>    | _        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> |
| <u> </u>     | 116<br>117        | <u> </u>     | <u> </u>           | $\vdash$ | _        | _        | <u> </u>    | -        | $\vdash$                            | $\vdash$ |
| <u> </u>     | 11/               | _            | <u> </u>           | -        |          | _        | H           | $\vdash$ | $\vdash$                            | -        |
| ├─           | 118<br>119        | <u> </u>     |                    |          | <u> </u> | _        | -           | -        |                                     |          |
| <del></del>  | 120               |              | $\vdash$           | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$    |          | ├                                   | $\vdash$ |
| _            | 121               |              |                    | _        | -        | -        | -           | H        | $\vdash$                            |          |
|              | 122               | _            | ┢                  | $\vdash$ |          | _        | -           |          | $\vdash$                            |          |
|              | 122<br>123        |              | H                  | l        | -        | -        | -           |          | _                                   |          |
|              | 124               |              |                    | Г        |          |          |             |          | Г                                   | Г        |
|              | 125               |              |                    |          |          |          |             |          |                                     |          |
|              | 124<br>125<br>126 |              |                    |          |          |          |             |          |                                     |          |
|              | 127<br>128<br>129 | $oxed{oxed}$ | <u> </u>           | <u> </u> |          | _        |             |          | <u> </u>                            | _        |
| L            | 128               | L            | <u> </u>           | <u> </u> |          | _        | _           |          |                                     |          |
|              | 129               |              | ┡                  | ⊢        | $\vdash$ | <u> </u> | ⊢           | _        | <u> </u>                            | _        |
|              | 130<br>131        | -            | ⊢                  |          | -        | <u> </u> |             | -        | ┝                                   |          |
|              | 132               |              | <del> </del>       | -        | ┝        | ⊢        |             | -        | <del> </del>                        | H        |
|              | 133               | _            | ┢                  |          | ┝        | _        | -           | -        | $\vdash$                            | -        |
|              | 134               | $\vdash$     | H                  | ┢        |          | $\vdash$ | H           | $\vdash$ | $\vdash$                            |          |
|              | 135               | Г            |                    |          | Г        |          | Г           |          | Г                                   |          |
|              | 136               |              |                    |          |          |          |             |          |                                     |          |
|              | 137               |              |                    |          |          |          |             |          | $\Box$                              |          |
|              | 138               |              | $oxedsymbol{oxed}$ |          | L        | <u> </u> | <u> </u>    | _        | _                                   |          |
| <u> </u>     | 139               | L            | <u> </u>           | <u> </u> | <u> </u> | _        | <u> </u>    | L.       | <u> </u>                            |          |
| <del></del>  | 140               | <u> </u>     | $\vdash$           | L        | -        | -        | <u> </u>    | $\vdash$ | $\vdash$                            | -        |
| <del> </del> | 141<br>142        | -            |                    | <u> </u> | $\vdash$ | -        | -           | $\vdash$ | $\vdash$                            | $\vdash$ |
|              | 143               | $\vdash$     | $\vdash$           | $\vdash$ | Н        | $\vdash$ | $\vdash$    | $\vdash$ | $\vdash$                            | $\vdash$ |
| <u> </u>     | 144               | $\vdash$     | $\vdash$           | $\vdash$ | H        | $\vdash$ | $\vdash$    | ⊢        | $\vdash$                            | $\vdash$ |
| <b></b> -    | 145               | Н            | $\vdash$           | _        | $\vdash$ | $\vdash$ | $\vdash$    | $\vdash$ | $\vdash$                            | $\vdash$ |
|              | 146               | $\vdash$     | H                  | $\vdash$ | $\vdash$ | -        | ┢           | Н        | $\vdash$                            |          |
|              | 147               |              |                    |          | m        | <u> </u> | T           | П        | T                                   |          |
|              | 148               |              |                    |          |          |          |             |          |                                     |          |
|              | 149               |              |                    |          |          |          |             |          |                                     |          |
|              | 150               |              |                    |          | L        |          |             |          | $\Box$                              |          |